```
=> s AMPK inhibitor#
L1          531 AMPK INHIBITOR#

=> s l1 and (stroke or ischemi# or ischeami#)
L2           68 L1 AND (STROKE OR ISCHEMI# OR ISCHEAMI#)

=> duplicate remove
ENTER L# LIST OR (END):l2
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L2
L3            57 DUPLICATE REMOVE L2 (11 DUPLICATES REMOVED)

=> s l2 and (1980-2005/py)
L4           13 L2 AND (1980-2005/PY)

=> d 1-13

L4   ANSWER 1 OF 13     MEDLINE on STN
AN   2004469619      MEDLINE
DN   PubMed ID: 15381965
TI   Pyruvate prevents cardiac dysfunction and AMP-activated protein kinase
     activation by hydrogen peroxide in isolated rat hearts.
AU   Leon Hernando; Atkinson Laura L; Sawicka Jolanta; Strynadka Ken; Lopaschuk
     Gary D; Schulz Richard
CS   Cardiovascular Reserach Group, Department of Pediatrics, University of
     Alberta, Edmonton, Canada.
SO   Canadian journal of physiology and pharmacology, (2004 Jun) Vol. 82, No.
     6, pp. 409-16.
     Journal code: 0372712. ISSN: 0008-4212. L-ISSN: 0008-4212.
CY   Canada
DT   (COMPARATIVE STUDY)
     (IN VITRO)
     Journal; Article; (JOURNAL ARTICLE)
     (RESEARCH SUPPORT, NON-U.S. GOV'T)
LA   English
FS   Priority Journals
EM   200502
ED   Entered STN: 22 Sep 2004
     Last Updated on STN: 9 Feb 2005
     Entered Medline: 8 Feb 2005
OSC.G 4       There are 4 MEDLINE records that cite this record

L4   ANSWER 2 OF 13  BIOSIS  COPYRIGHT (c) 2011 The Thomson Corporation  on STN
AN   2004:460740  BIOSIS
DN   PREV200400462267
TI   Pyruvate prevents cardiac dysfunction and AMP-activated protein kinase
     activation by hydrogen peroxide in isolated rat hearts.
AU   Leon, Hernando; Atkinson, Laura L.; Sawicka, Jolanta; Strynadka, Ken;
     Lopaschuk, Gary D.; Schulz, Richard [Reprint Author]
CS   , Cardiovasc Res GrpDept Pediat, Univ Alberta, 4-62 Heritage Med Res Ctr,
     Edmonton, AB, T6G 2S2, Canada
     richard.schulz@ualberta.ca
SO   Canadian Journal of Physiology and Pharmacology, (June 2004) Vol. 82,
     No. 6, pp. 409-416. print.
     ISSN: 0008-4212 (ISSN print).
DT   Article
LA   English
ED   Entered STN: 1 Dec 2004
     Last Updated on STN: 1 Dec 2004

L4   ANSWER 3 OF 13  USPATFULL on STN
AN     2005:196906  USPATFULL
TI     Compounds for the treatment of ischemia
IN     DeNinno, Michael P., Gales Ferry, CT, UNITED STATES
       Masamune, Hiroko, Noank, CT, UNITED STATES
PI     US 20050171049      A1  20050804                              <--
AI     US 2005-93089       A1  20050329 (11)
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RLI    Continuation of Ser. No. US 2002-99620, filed on 15 Mar 2002, PENDING
PRAI   US 2001-276411P          20010316 (60)
DT     Utility
FS     APPLICATION
LN.CNT 3955
INCL   INCLM: 514/045.000
       INCLS: 514/046.000; 514/263.230; 514/263.370; 514/263.400; 544/276.000;
              544/277.000; 536/027.300; 514/303.000; 546/118.000
NCL    NCLM:  514/045.000
       NCLS:  514/046.000; 514/263.230; 514/263.370; 514/263.400; 514/303.000;
              536/027.300; 544/276.000; 544/277.000; 546/118.000
IPC    [7]
       IPCI   A61K0031-7076 [ICM,7]; A61K0031-522 [ICS,7]; A61K0031-4745
              [ICS,7]; C07D0473-10 [ICS,7]; C07D0473-12 [ICS,7]; C07H0019-16
              [ICS,7]; C07D0471-02 [ICS,7]
       IPCR   C07D0471-04 [I,A]; C07D0473-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 4 OF 13  USPATFULL on STN
AN     2005:118278  USPATFULL
TI     Compounds useful as A3 adenosine receptor agonists
IN     Sevillano, Luis Garcia, Toro, SPAIN
       McGuigan, Christopher, Cardiff, UNITED KINGDOM
       Davies, Robin Havard, Cardiff, UNITED KINGDOM
PI     US 20050101551      A1  20050512                          <--
       US 7414036          B2  20080819
AI     US 2004-899625      A1  20040726 (10)
RLI    Continuation-in-part of Ser. No. WO 2003-GB304, filed on 27 Jan 2003,
       UNKNOWN
PRAI   GB 2002-1849            20020125
       GB 2002-1919            20020128
       GB 2002-12438           20020529
DT     Utility
FS     APPLICATION
LN.CNT 2721
INCL   INCLM: 514/043.000
       INCLS: 514/046.000; 514/263.230; 514/303.000; 536/027.300; 544/277.000;
              546/118.000
NCL    NCLM:  514/046.000; 514/043.000
       NCLS:  536/027.230; 536/027.620; 514/263.230; 514/303.000; 536/027.300;
              544/277.000; 546/118.000
IPC    [7]
       IPCI   C07H0019-16 [ICM,7]; A61K0031-7076 [ICS,7]; A61K0031-52 [ICS,7];
              A61K0031-4745 [ICS,7]; C07D0487-12 [ICS,7]; C07D0471-02 [ICS,7]
       IPCI-2 A61K0031-70 [I,A]; C07H0019-16 [I,A]; C07H0019-167 [I,A]
       IPCR   A61K0031-70 [I,A]; A61K0031-4745 [I,A]; A61K0031-52 [I,A];
              A61K0031-7076 [I,A]; C07H0019-16 [I,A]; C07H0019-167 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 5 OF 13  USPATFULL on STN
AN     2004:257013  USPATFULL
TI     Compounds for the treatment of ischemia
IN     DeNinno, Michael P., Gales Ferry, CT, United States
       Masamune, Hiroko, Noank, CT, United States
       Scott, Robert W., Mystic, CT, United States
PA     Pfizer, Inc., New York, NY, United States (U.S. corporation)
PI     US 6803457          B1  20041012                         <--
AI     US 2000-640530          20000817 (9)
PRAI   US 1999-156828P         19990930 (60)
DT     Utility
FS     GRANTED
LN.CNT 6557
INCL   INCLM: 536/027.210
       INCLS: 536/027.220; 536/027.230; 536/027.630; 514/046.000
NCL    NCLM:  536/027.210
       NCLS:  536/027.220; 536/027.230; 536/027.630
IPC    [7]
       IPCI   C07H0019-16 [ICM,7]
       IPCR   C07D0471-04 [I,A]; C07D0473-00 [I,A]; C07D0473-30 [I,A];
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              C07H0019-16 [I,A]
EXF     536/27.21; 536/27.22; 536/27.23; 536/27.63; 536/27.11; 514/46
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 6 OF 13  USPATFULL on STN
AN      2004:255163  USPATFULL
TI      Compounds for the treatment of ischemia
IN      DeNinno, Michael P., Gales Ferry, CT, UNITED STATES
        Masamune, Hiroko, Noank, CT, UNITED STATES
        Scott, Robert W., Mystic, CT, UNITED STATES
PI      US 20040198693       A1  20041007                              <--
AI      US 2004-822411       A1  20040412 (10)
RLI     Continuation of Ser. No. US 2000-640530, filed on 17 Aug 2000, PENDING
PRAI    US 1999-156828P          19990930 (60)
DT      Utility
FS      APPLICATION
LN.CNT 7516
INCL    INCLM: 514/046.000
        INCLS: 514/303.000; 544/277.000; 546/119.000; 514/263.230; 536/027.300;
               514/263.400
NCL     NCLM:  514/046.000
        NCLS:  514/263.230; 514/263.400; 514/303.000; 536/027.300; 544/277.000;
               546/119.000
IPC     [7]
        IPCI   C07H0019-16 [ICM,7]; C07D0487-14 [ICS,7]; C07D0473-14 [ICS,7];
               A61K0031-52 [ICS,7]
        IPCR   C07D0471-04 [I,A]; C07D0473-00 [I,A]; C07D0473-30 [I,A];
               C07H0019-16 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 7 OF 13  USPATFULL on STN
AN      2003:79094  USPATFULL
TI      Compounds for the treatment of ischemia
IN      DeNinno, Michael P., Gales Ferry, CT, UNITED STATES
        Masamune, Hiroko, Noank, CT, UNITED STATES
PI      US 20030055021       A1  20030320                              <--
AI      US 2002-99620        A1  20020315 (10)
PRAI    US 2001-276411P          20010316 (60)
DT      Utility
FS      APPLICATION
LN.CNT 3858
INCL    INCLM: 514/045.000
        INCLS: 514/046.000; 514/043.000; 514/263.230; 514/263.380; 514/263.400;
               514/303.000; 544/276.000; 544/277.000; 546/118.000; 536/027.300;
               536/027.130; 536/027.210
NCL     NCLM:  514/045.000
        NCLS:  514/043.000; 514/046.000; 514/263.230; 514/263.380; 514/263.400;
               514/303.000; 536/027.130; 536/027.210; 536/027.300; 544/276.000;
               544/277.000; 546/118.000
IPC     [7]
        IPCI   A61K0031-708 [ICM,7]; A61K0031-7076 [ICS,7]; A61K0031-522
               [ICS,7]; A61K0031-52 [ICS,7]; A61K0031-4745 [ICS,7]
        IPCR   C07D0471-04 [I,A]; C07D0473-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 8 OF 13  USPATFULL on STN
AN      2002:181686  USPATFULL
TI      Combination therapy
IN      Tracey, Wayne R., Niantic, CT, United States
        Hill, Roger J., Salem, CT, United States
PA      Pfizer Inc., New York, NY, United States (U.S. corporation)
PI      US 6423705           B1  20020723                              <--
        US 20020099075       A1  20020725
AI      US 2002-52320            20020117 (10)
PRAI    US 2001-264173P          20010125 (60)
DT      Utility
FS      GRANTED
LN.CNT 1780
INCL    INCLM: 514/221.000
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       INCLS: 514/252.130; 514/331.000; 514/634.000
NCL    NCLM:  514/221.000; 514/310.000
       NCLS:  514/252.130; 514/331.000; 514/634.000; 514/291.000; 514/314.000;
              514/406.000; 514/407.000; 514/421.000
IPC    [7]
       IPCI   A61K0031-55 [ICM,7]; A61K0031-495 [ICS,7]; A61K0031-445 [ICS,7];
              A61K0031-155 [ICS,7]
       IPCI-2 A61K0031-4745 [ICM,7]; A61K0031-4709 [ICS,7]; A61K0031-4725
              [ICS,7]
       IPCR   A61K0031-4709 [I,A]; A61K0031-4725 [I,A]; A61K0031-4745 [I,A];
              A61K0045-06 [I,A]
EXF    514/221; 514/252.13; 514/331; 514/634
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4     ANSWER 9 OF 13 PCTFULL COPYRIGHT 2011 LNU on STN
AN     2005092068   PCTFULL  ED 20101204 UP 20101204 EDTX 20101204
       DUPD 20101022
TIEN   NOVEL METHOD OF NEUROPROTECTION BY PHARMACOLOGICAL INHIBITION OF
       AMP-ACTIVATED PROTEIN KINASE
TIFR   NOUVEAU PROCEDE DE NEUROPROTECTION PAR INHIBITION PHARMACOLOGIQUE DE LA
       KINASE DE PROTEINE ACTIVEE PAR AMP
IN     MCCULLOUGH, Louise, D., Departement of Neuroscience, 1006B Preclinical
       Teaching Building, Johns Hopkins University School of Medicine, 725
       North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US
       only;
       LI, Hong, Departement of Neuroscience, 1006B Preclinical Teaching
       Building, Johns Hopkins University School of Medicine, 725 North Wolfe
       Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
       MCFADDEN, Jill, Departement of Neuroscience, 1006B Preclinical Teaching
       Building, Johns Hopkins University School of Medicine, 725 North Wolfe
       Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
       RONNETT, Gabriele, V., Departement of Neuroscience, 1006B Preclinical
       Teaching Building, Johns Hopkins University School of Medicine, 725
       North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US
       only
PA     FASGEN, LLC, Bayview Medical Campus, 5210 Eastern Avenue, Baltimore, MD
       21224, US, [NAT: US, RES: US], for all designated states except US;
       JOHNS HOPKINS UNIVERSITY, 3400 N. Charles Street, Baltimore, MD 21218,
       US, [NAT: US, RES: US], for all designated states except US
AG     WILSON, Whitney, N., Covington &; Burling, 1201
Pennsylvania Avenue,
       N.W., Washington, DC 20004-2401, US
LAF    English
LA     English
DT     Patent; (Fulltext)
PI     WO 2005092068 A2   20051006
DS     W:              AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
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                       CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI     WO 2005-US9797          20050323
PRAI   US 2004-556000P         20040324
EPC    A61K0031-00

L4     ANSWER 10 OF 13 PCTFULL COPYRIGHT 2011 LNU on STN
AN     2005089773   PCTFULL  ED 20101204 UP 20101204 EDTX 20101204
       DUPD 20091222
TIEN   CONTROL OF FEEDING BEHAVIOR BY CHANGING NEURONAL ENERGY BALANCE
TIFR   REGULATION DU COMPORTEMENT ALIMENTAIRE PAR MODIFICATION DU BILAN
       ENERGETIQUE NEURONAL
IN     RONNETT, Gabrielle, V., Department of Neuroscience, 1006B Preclinical
```

Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
KUHAJDA, Francis, P., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
THUPARI, Jagan, N., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
LANDREE, Leslie, E., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
MORAN, Timothy, H., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
KIM, Eun-Kyoung, Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only

PA FASGEN, LLC, Bayview Medical Campus, 5210 Eastern Avenue, Baltimore, MD 21224, US, [NAT: US, RES: US], for all designated states except US; THE JOHNS HOPKINS UNIVERSITY, 3400 N. Charles Street, Baltimore, MD 21218, US, [NAT: US, RES: US], for all designated states except US

AG WILSON, Whitney, N., Covington & Burling, 1201 Pennsylvania Avenue, N.W., Washington, DC 20004-2401, US

LAF English

LA English

DT Patent; (Fulltext)

PI WO 2005089773 A1 20050929

DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EAPO): AM AZ BY KG KZ MD RU TJ TM

RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL PT RO SE SI SK TR

RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2005-US9069 20050318

PRAI US 2004-554228P 20040318

IC ICM A61K031-70 (7)
ICS A61K031-34 (7)

IPCR A61K0031-34 [I,A]; A61K0031-70 [I,A]; A61K0031-34 [I,C]; A61K0031-70 [I,C]

EPC A61K0031-34; A61K0031-70

L4 ANSWER 11 OF 13 PCTFULL COPYRIGHT 2011 LNU on STN

AN 2005012323 PCTFULL ED 20101204 UP 20101204 EDTX 20101204 DUPD 20090405

TIEN COMPOUNDS USEFUL AS A3 ADENOSINE RECEPTOR AGONISTS

TIFR COMPOSES UTILES COMME AGONISTES DES RECEPTEURS DE L'ADENOSINE A<SB>3</SB>

IN DAVIES, Robin, Havard, Welsh School of Pharmacy, Redwood Building, King Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES: GB], for US only

PA TRIGEN LIMITED, 20 St James's Street, London SW1A 1ES, GB, [NAT: GB, RES: GB], for all designated states except US

AG HARRISON GODDARD FOOTE, Belgrave Hall, Belgrave Street, Leeds LS2 8DD, GB

LAF English

LA English

DT Patent; (Fulltext)

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PI     WO 2005012323 A2   20050210
DS     W:              AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
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                       ZW
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       RW (EAPO):      AM AZ BY KG KZ MD RU TJ TM
       RW (EPO):       AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
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                       CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI     WO 2004-GB3283          20040730
PRAI   GB 2003-17951           20030731
IC     ICM C07H019-00 (7)
IPCR   C07H0019-16 [I,A];     C07H0019-23 [I,A];     C07H0019-00 [I,C]
EPC    C07H0019-16; C07H0019-23

L4     ANSWER 12 OF 13 PCTFULL COPYRIGHT 2011 LNU on STN
AN     2003061670   PCTFULL  ED 20101207 UP 20101207 EDTX 20101207
       DUPD 20090929
TIEN   COMPOUNDS USEFUL AS A3 ADENOSINE RECEPTOR AGONISTS
TIFR   COMPOSES UTILISES EN TANT QU'AGONISTES DES RECEPTEURS A<SB>3</SB> DE
       L'ADENOSINE
IN     SEVILLANO, Luis, Garcia, Welsh School of Pharmacy, Redwood Building,
       King Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: ES,
       RES: GB], for US only;
       MCGUIGAN, Christopher, Welsh School of Pharmacy, Redwood Building, King
       Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES:
       GB], for US only;
       DAVIES, Robin, Havard, Welsh School of Pharmacy, Redwood Building, King
       Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES:
       GB], for US only
PA     MUSCAGEN LIMITED, Welsh School of Pharmacy, Redwood Building, King
       Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES:
       GB], for all designated states except US
AG     HARRISON GODDARD FOOTE, Belgrave Hall, Belgrave Street, Leeds LS2 8DD,
       GB
LAF    English
LA     English
DT     Patent; (Fulltext)
PI     WO 2003061670 A1   20030731
DS     W:              AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
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                       IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
                       MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM
                       TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
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       RW (EPO):       AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
                       NL PT SE SI SK TR
       RW (OAPI):      BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI     WO 2003-GB304           20030127
PRAI   GB 2002-1849            20020125
       GB 2002-1919            20020128
       GB 2002-12438           20020529
IC     ICM A61K031-70 (7)
       ICS C07H019-167 (7)
IPCR   A61K0031-4745 [I,A];     A61K0031-52 [I,A];     A61K0031-7076 [I,A];
       C07H0019-16 [I,A];     A61K0031-4738 [I,C];     A61K0031-519 [I,C];
       A61K0031-7042 [I,C];     C07H0019-00 [I,C]
EPC    A61K0031-4745; A61K0031-52; A61K0031-7076; C07H0019-16E

L4     ANSWER 13 OF 13 PCTFULL COPYRIGHT 2011 LNU on STN
AN     2001023399   PCTFULL  ED 20101208 UP 20101208 EDTX 20101208
       DUPD 20100402
TIEN   COMPOUNDS FOR THE TREATMENT OF ISCHEMIA
TIFR   COMPOSES DESTINES AU TRAITEMENT D'ISCHEMIE
```

```
IN      MASAMUNE, Hiroko, 68 High Street, Noank, CT 06340, US;
        DENINNO, Michael, Paul, Pfizer Inc., Central Research Division, Eastern
        Point Road, Groton, CT 06340, US;
        SCOTT, Robert, William, Pfizer Inc., Central Research Division, Eastern
        Point Road, Groton, CT 06340, US
PA      PFIZER PRODUCTS INC., Eastern Point Road, Groton, CT 06340, US
AG      SPIEGEL, Allen, J., c/o Simpson, Alison, Urquhart-Dykes
& Lord, 30
        Welbeck Street, London W1G 8ER, GB
LAF     English
LA      English
DT      Patent; (Fulltext)
PI      WO 2001023399 A1   20010405
DS      W:              AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
                        DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
                        KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
                        MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
                        UG US UZ VN YU ZA ZW
        RW (ARIPO):     GH GM KE LS MW MZ SD SL SZ TZ UG ZW
        RW (EAPO):      AM AZ BY KG KZ MD RU TJ TM
        RW (EPO):       AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
        RW (OAPI):      BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI      WO 2000-IB1353          20000922
PRAI    US 1999-156828P         19990930
IC      ICM C07H019-16 (7)
        ICS C07D471-04 (7);     C07D473-34 (7);     A61K031-7076 (7);
            A61K031-437 (7);     A61K031-522 (7);     A61P009-10 (7)
ICI     C07D471-04 (7), C07D235:00 (7), C07D221:00 (7)
IPCR    A61K0031-4168 [I,A];     A61K0031-437 [I,A];     A61K0031-495 [I,A];
        A61K0031-517 [I,A];     A61K0031-522 [I,A];     A61K0031-616 [I,A];
        A61K0031-7076 [I,A];     A61K0045-00 [I,A];     A61P0001-00 [I,A];
        A61P0001-16 [I,A];     A61P0001-18 [I,A];     A61P0009-00 [I,A];
        A61P0009-10 [I,A];     A61P0011-00 [I,A];     A61P0013-12 [I,A];
        A61P0019-00 [I,A];     A61P0021-00 [I,A];     A61P0025-00 [I,A];
        A61P0027-02 [I,A];     C07D0471-04 [I,A];     C07D0473-00 [I,A];
        C07D0473-30 [I,A];     C07D0473-34 [I,A];     C07H0019-16 [I,A];
        A61K0031-4164 [I,C];     A61K0031-4353 [I,C];     A61K0031-495 [I,C];
        A61K0031-517 [I,C];     A61K0031-519 [I,C];     A61K0031-60 [I,C];
        A61K0031-7042 [I,C];     A61K0045-00 [I,C];     A61P0001-00 [I,C];
        A61P0009-00 [I,C];     A61P0011-00 [I,C];     A61P0013-00 [I,C];
        A61P0019-00 [I,C];     A61P0021-00 [I,C];     A61P0025-00 [I,C];
        A61P0027-00 [I,C];     C07D0471-00 [I,C];     C07D0473-00 [I,C];
        C07H0019-00 [I,C]
EPC     C07D0471-04; C07D0473-00; C07D0473-30; C07H0019-16E


=> d hist

     (FILE 'HOME' ENTERED AT 16:37:31 ON 14 JUN 2011)

     FILE 'MEDLINE, BIOSIS, USPATFULL, PCTFULL' ENTERED AT 16:38:03 ON 14 JUN
     2011
L1           531 S AMPK INHIBITOR#
L2            68 S L1 AND (STROKE OR ISCHEMI# OR ISCHEAMI#)
L3            57 DUPLICATE REMOVE L2 (11 DUPLICATES REMOVED)
L4            13 S L2 AND (1980-2005/PY)

=> s C75 or compound C
L5        39333 C75 OR COMPOUND C

=> s 12 and 15
L6            51 L2 AND L5

=> duplicate remove
ENTER L# LIST OR (END):16
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L6
L7            40 DUPLICATE REMOVE L6 (11 DUPLICATES REMOVED)
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=> s l6 and (1980-2005/py)
L8          7 L6 AND (1980-2005/PY)

=> d 1-7

L8   ANSWER 1 OF 7     MEDLINE on STN
AN   2004469619        MEDLINE
DN   PubMed ID: 15381965
TI   Pyruvate prevents cardiac dysfunction and AMP-activated protein kinase
     activation by hydrogen peroxide in isolated rat hearts.
AU   Leon Hernando; Atkinson Laura L; Sawicka Jolanta; Strynadka Ken; Lopaschuk
     Gary D; Schulz Richard
CS   Cardiovascular Reserach Group, Department of Pediatrics, University of
     Alberta, Edmonton, Canada.
SO   Canadian journal of physiology and pharmacology, (2004 Jun) Vol. 82, No.
     6, pp. 409-16.
     Journal code: 0372712. ISSN: 0008-4212. L-ISSN: 0008-4212.
CY   Canada
DT   (COMPARATIVE STUDY)
     (IN VITRO)
     Journal; Article; (JOURNAL ARTICLE)
     (RESEARCH SUPPORT, NON-U.S. GOV'T)
LA   English
FS   Priority Journals
EM   200502
ED   Entered STN: 22 Sep 2004
     Last Updated on STN: 9 Feb 2005
     Entered Medline: 8 Feb 2005
OSC.G 4        There are 4 MEDLINE records that cite this record

L8   ANSWER 2 OF 7  BIOSIS  COPYRIGHT (c) 2011 The Thomson Corporation  on STN
AN   2004:460740  BIOSIS
DN   PREV200400462267
TI   Pyruvate prevents cardiac dysfunction and AMP-activated protein kinase
     activation by hydrogen peroxide in isolated rat hearts.
AU   Leon, Hernando; Atkinson, Laura L.; Sawicka, Jolanta; Strynadka, Ken;
     Lopaschuk, Gary D.; Schulz, Richard [Reprint Author]
CS   , Cardiovasc Res GrpDept Pediat, Univ Alberta, 4-62 Heritage Med Res Ctr,
     Edmonton, AB, T6G 2S2, Canada
     richard.schulz@ualberta.ca
SO   Canadian Journal of Physiology and Pharmacology, (June 2004) Vol. 82,
     No. 6, pp. 409-416. print.
     ISSN: 0008-4212 (ISSN print).
DT   Article
LA   English
ED   Entered STN: 1 Dec 2004
     Last Updated on STN: 1 Dec 2004

L8   ANSWER 3 OF 7  USPATFULL on STN
AN     2005:118278  USPATFULL
TI     Compounds useful as A3 adenosine receptor agonists
IN     Sevillano, Luis Garcia, Toro, SPAIN
       McGuigan, Christopher, Cardiff, UNITED KINGDOM
       Davies, Robin Havard, Cardiff, UNITED KINGDOM
PI     US 20050101551      A1  20050512                              <--
       US 7414036          B2  20080819
AI     US 2004-899625      A1  20040726 (10)
RLI    Continuation-in-part of Ser. No. WO 2003-GB304, filed on 27 Jan 2003,
       UNKNOWN
PRAI   GB 2002-1849            20020125
       GB 2002-1919            20020128
       GB 2002-12438           20020529
DT     Utility
FS     APPLICATION
LN.CNT 2721
INCL   INCLM: 514/043.000
       INCLS: 514/046.000; 514/263.230; 514/303.000; 536/027.300; 544/277.000;
              546/118.000
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NCL     NCLM:  514/046.000; 514/043.000
        NCLS:  536/027.230; 536/027.620; 514/263.230; 514/303.000; 536/027.300;
               544/277.000; 546/118.000
IPC     [7]
        IPCI   C07H0019-16 [ICM,7]; A61K0031-7076 [ICS,7]; A61K0031-52 [ICS,7];
               A61K0031-4745 [ICS,7]; C07D0487-12 [ICS,7]; C07D0471-02 [ICS,7]
        IPCI-2 A61K0031-70 [I,A]; C07H0019-16 [I,A]; C07H0019-167 [I,A]
        IPCR   A61K0031-70 [I,A]; A61K0031-4745 [I,A]; A61K0031-52 [I,A];
               A61K0031-7076 [I,A]; C07H0019-16 [I,A]; C07H0019-167 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8      ANSWER 4 OF 7 PCTFULL COPYRIGHT 2011 LNU on STN
AN      2005092068   PCTFULL  ED 20101204 UP 20101204 EDTX 20101204
        DUPD 20101022
TIEN    NOVEL METHOD OF NEUROPROTECTION BY PHARMACOLOGICAL INHIBITION OF
        AMP-ACTIVATED PROTEIN KINASE
TIFR    NOUVEAU PROCEDE DE NEUROPROTECTION PAR INHIBITION PHARMACOLOGIQUE DE LA
        KINASE DE PROTEINE ACTIVEE PAR AMP
IN      MCCULLOUGH, Louise, D., Departement of Neuroscience, 1006B Preclinical
        Teaching Building, Johns Hopkins University School of Medicine, 725
        North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US
        only;
        LI, Hong, Departement of Neuroscience, 1006B Preclinical Teaching
        Building, Johns Hopkins University School of Medicine, 725 North Wolfe
        Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
        MCFADDEN, Jill, Departement of Neuroscience, 1006B Preclinical Teaching
        Building, Johns Hopkins University School of Medicine, 725 North Wolfe
        Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
        RONNETT, Gabriele, V., Departement of Neuroscience, 1006B Preclinical
        Teaching Building, Johns Hopkins University School of Medicine, 725
        North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US
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PA      FASGEN, LLC, Bayview Medical Campus, 5210 Eastern Avenue, Baltimore, MD
        21224, US, [NAT: US, RES: US], for all designated states except US;
        JOHNS HOPKINS UNIVERSITY, 3400 N. Charles Street, Baltimore, MD 21218,
        US, [NAT: US, RES: US], for all designated states except US
AG      WILSON, Whitney, N., Covington &; Burling, 1201
Pennsylvania Avenue,
        N.W., Washington, DC 20004-2401, US
LAF     English
LA      English
DT      Patent; (Fulltext)
PI      WO 2005092068 A2   20051006
DS      W:              AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
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AI      WO 2005-US9797          20050323
PRAI    US 2004-556000P         20040324
EPC     A61K0031-00

L8      ANSWER 5 OF 7 PCTFULL COPYRIGHT 2011 LNU on STN
AN      2005089773   PCTFULL  ED 20101204 UP 20101204 EDTX 20101204
        DUPD 20091222
TIEN    CONTROL OF FEEDING BEHAVIOR BY CHANGING NEURONAL ENERGY BALANCE
TIFR    REGULATION DU COMPORTEMENT ALIMENTAIRE PAR MODIFICATION DU BILAN
        ENERGETIQUE NEURONAL
IN      RONNETT, Gabrielle, V., Department of Neuroscience, 1006B Preclinical
        Teaching Building, Johns Hopkins University School of Medicine, 725
        North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US
        only;
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KUHAJDA, Francis, P., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
THUPARI, Jagan, N., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
LANDREE, Leslie, E., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
MORAN, Timothy, H., Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only;
KIM, Eun-Kyoung, Department of Neuroscience, 1006B Preclinical Teaching Building, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205, US, [NAT: US, RES: US], for US only

PA FASGEN, LLC, Bayview Medical Campus, 5210 Eastern Avenue, Baltimore, MD 21224, US, [NAT: US, RES: US], for all designated states except US;
THE JOHNS HOPKINS UNIVERSITY, 3400 N. Charles Street, Baltimore, MD 21218, US, [NAT: US, RES: US], for all designated states except US

AG WILSON, Whitney, N., Covington & Burling, 1201 Pennsylvania Avenue, N.W., Washington, DC 20004-2401, US

LAF English
LA English
DT Patent; (Fulltext)
PI WO 2005089773 A1 20050929
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2005-US9069 20050318
PRAI US 2004-554228P 20040318
IC ICM A61K031-70 (7)
ICS A61K031-34 (7)
IPCR A61K0031-34 [I,A]; A61K0031-70 [I,A]; A61K0031-34 [I,C]; A61K0031-70 [I,C]
EPC A61K0031-34; A61K0031-70

L8 ANSWER 6 OF 7 PCTFULL COPYRIGHT 2011 LNU on STN
AN 2005012323 PCTFULL ED 20101204 UP 20101204 EDTX 20101204 DUPD 20090405
TIEN COMPOUNDS USEFUL AS A3 ADENOSINE RECEPTOR AGONISTS
TIFR COMPOSES UTILES COMME AGONISTES DES RECEPTEURS DE L'ADENOSINE A<SB>3</SB>
IN DAVIES, Robin, Havard, Welsh School of Pharmacy, Redwood Building, King Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES: GB], for US only
PA TRIGEN LIMITED, 20 St James's Street, London SW1A 1ES, GB, [NAT: GB, RES: GB], for all designated states except US
AG HARRISON GODDARD FOOTE, Belgrave Hall, Belgrave Street, Leeds LS2 8DD, GB
LAF English
LA English
DT Patent; (Fulltext)
PI WO 2005012323 A2 20050210
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID

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        RW (OAPI):      BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG BF BJ CF
                        CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI      WO 2004-GB3283          20040730
PRAI    GB 2003-17951           20030731
IC      ICM C07H019-00 (7)
IPCR    C07H0019-16 [I,A];      C07H0019-23 [I,A];      C07H0019-00 [I,C]
EPC     C07H0019-16; C07H0019-23

L8      ANSWER 7 OF 7 PCTFULL COPYRIGHT 2011 LNU on STN
AN      2003061670   PCTFULL  ED 20101207 UP 20101207 EDTX 20101207
        DUPD 20090929
TIEN    COMPOUNDS USEFUL AS A3 ADENOSINE RECEPTOR AGONISTS
TIFR    COMPOSES UTILISES EN TANT QU'AGONISTES DES RECEPTEURS A<SB>3</SB> DE
        L'ADENOSINE
IN      SEVILLANO, Luis, Garcia, Welsh School of Pharmacy, Redwood Building,
        King Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: ES,
        RES: GB], for US only;
        MCGUIGAN, Christopher, Welsh School of Pharmacy, Redwood Building, King
        Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES:
        GB], for US only;
        DAVIES, Robin, Havard, Welsh School of Pharmacy, Redwood Building, King
        Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES:
        GB], for US only
PA      MUSCAGEN LIMITED, Welsh School of Pharmacy, Redwood Building, King
        Edward VII Avenue, Cathays Park, Cardiff CF10 3XF, GB, [NAT: GB, RES:
        GB], for all designated states except US
AG      HARRISON GODDARD FOOTE, Belgrave Hall, Belgrave Street, Leeds LS2 8DD,
        GB
LAF     English
LA      English
DT      Patent; (Fulltext)
PI      WO 2003061670 A1    20030731
DS      W:              AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
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                        IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
                        MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM
                        TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
        RW (ARIPO):     GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
        RW (EAPO):      AM AZ BY KG KZ MD RU TJ TM
        RW (EPO):       AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
                        NL PT SE SI SK TR
        RW (OAPI):      BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI      WO 2003-GB304           20030127
PRAI    GB 2002-1849            20020125
        GB 2002-1919            20020128
        GB 2002-12438           20020529
IC      ICM A61K031-70 (7)
        ICS C07H019-167 (7)
IPCR    A61K0031-4745 [I,A];      A61K0031-52 [I,A];      A61K0031-7076 [I,A];
        C07H0019-16 [I,A];      A61K0031-4738 [I,C];      A61K0031-519 [I,C];
        A61K0031-7042 [I,C];      C07H0019-00 [I,C]
EPC     A61K0031-4745; A61K0031-52; A61K0031-7076; C07H0019-16E
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